

SAF-B05-018
Horseshoe Landfill Residual Pesticide
Sampling – Soil
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Jeanette Duncan

3 copy clipped

NB 8/29/05
INITIAL/DATE

COMMENTS:

SDG

H3305

SAF-B05-018

Rad only X Chem only

Rad & Chem

X Complete

Partial

RECEIVED
SEP 21 2005
EDMC



22 August 2005



Joan Kessner
Bechtel-Hanford, Inc.
3190 Washington Way
MSIN H9-03
Richland, WA 99352

Subject: Contract No. 630
Analytical Data Package

Dear Ms. Kessner:

Enclosed are the hard copy analytical reports for the batch number/fraction indicated (marked X) in the following table:

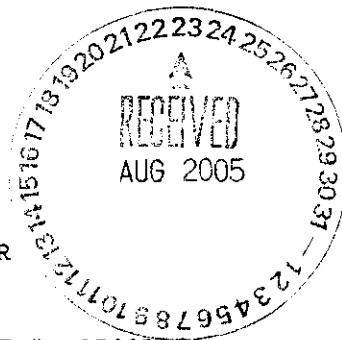
LvLI Batch #	0508L101
SDG #	H3305
SAF #	B05-018
Date Received	8-4-05
# Samples	11
Matrix	Soil
Volatiles	
Semivolatiles	
Pest/PCB	X
PAH	
DRO/KRO/GRO	
GC Alcohols	
Herbicides	
Metals	
Inorganics	

The electronic data deliverable (EDD) will be emailed shortly. If you have any questions, please don't hesitate to contact me at (610) 280-3012.

Sincerely,
Lionville Laboratory Incorporated

Orlette S. Johnson
Project Manager

r:\group\pm\orlette\tnu-hanford\data\b_ltrs.doc



Lionville Laboratory, Inc.
PEST/PCB ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD B05-018 *H3305*

DATE RECEIVED: 08/04/05

LVL LOT # :0508L101

CLIENT ID	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
J03W22	001	S	05LE0650	08/03/05	08/04/05	08/05/05
J03W22	001 MS	S	05LE0650	08/03/05	08/04/05	08/05/05
J03W22	001 MSD	S	05LE0650	08/03/05	08/04/05	08/05/05
J03W23	002	S	05LE0650	08/03/05	08/04/05	08/05/05
J03W24	003	S	05LE0650	08/03/05	08/04/05	08/05/05
J03W25	004	S	05LE0650	08/03/05	08/04/05	08/05/05
J03W26	005	S	05LE0650	08/03/05	08/04/05	08/05/05
J03W27	006	S	05LE0650	08/03/05	08/04/05	08/05/05
J03W28	007	S	05LE0650	08/03/05	08/04/05	08/06/05
J03W29	008	S	05LE0650	08/03/05	08/04/05	08/06/05
J03W30	009	S	05LE0650	08/03/05	08/04/05	08/06/05
J03W31	010	S	05LE0650	08/03/05	08/04/05	08/06/05
J03W32	011	S	05LE0650	08/03/05	08/04/05	08/06/05

LAB QC:

PBLKQU	MB1	S	05LE0650	N/A	08/04/05	08/05/05
PBLKQU	MB1 BS	S	05LE0650	N/A	08/04/05	08/05/05

JS 8/10/05



Case Narrative

Client: TNU-HANFORD B05-018
LVL #: 0508L101
SDG/SAF # H 3305 /B05-018

W.O. #: 11343-606-001-9999-00
Date Received: 08-04-2005

CHLORINATED PESTICIDES

Eleven (11) soil samples were collected on 08-03-2005.

The samples and their associated QC samples were extracted on 08-04-2005 and analyzed according to Lionville Laboratory SOPs based on SW846, 3rd Edition procedures on 08-05,06-2005. The extraction procedure was based on method 3540C and the extracts were analyzed based on method 8081A.

The following is a summary of the QC results accompanying the sample results and a description of any problems encountered during their analyses:

1. All results presented in this report are derived from samples that met LvLI's sample acceptance policy.
2. Samples were extracted and analyzed within required holding time.
3. The samples and their associated QC samples received a Copper-Sulfur cleanup according to Lionville Laboratory SOPs based on SW846 method 3660A.
4. The method blank was below the reporting limits for all target compounds.
5. Two (2) of thirty (30) surrogate recoveries were outside acceptance criteria. A copy of the Sample Discrepancy Report (SDR) has been enclosed.
6. All blank spike recoveries were within acceptance criteria.
7. Four (4) forty (40) matrix spike recoveries were outside acceptance criteria. A copy of the Sample Discrepancy Report (SDR) has been enclosed.
8. The initial calibrations associated with this data set were within acceptance criteria.
9. The continuing calibration standards analyzed prior to sample extracts were within acceptance criteria.
10. LvLI is NELAP accredited by the state of Pennsylvania and holds over 20 additional state accreditations. For a complete listing of accrediting authorities and the corresponding analytes/methods, please contact your Project Manager.
11. I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. Release of the data contained in this hard-copy data package has been authorized by the laboratory Manager or a designee, as verified by the following signature.


Iain Daniels
Laboratory Manager
Lionville Laboratory Incorporated


Date

son\tr\group\data\pest\tnu hanford\0508-101.pes

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 13 pages.

Lionville Laboratory Sample Discrepancy Report (SDR)

SDR #: 056C 386

Initiator: R. Mesnally
Date: 8/8/05
Client: Tou Hanchen

Batch: 0508L101
Samples: m2, m3, ool
Method: SW845/MCAWW/CPLI

Parameter: 0608X
Matrix: 5m
Prep Batch: 071060

1. Reason for SDR

a. COC Discrepancy ☐ Tech Profile Error ☐ Client Request ☐ Sampler Error on C-O-C
☐ Transcription Error ☐ Wrong Test Code ☐ Other

b. General Discrepancy

☐ Missing Sample/Extract ☐ Container Broken ☐ Wrong Sample Pulled ☐ Label ID's Illegible
☐ Hold Time Exceeded ☐ Insufficient Sample ☐ Preservation Wrong ☐ Received Past Hold
☐ Improper Bottle Type ☐ Not Amenable to Analysis

Note: Verified by [Log-in] or [Prep Group] (circle) signature/date: _____

c. Problem (Include all relevant specific results; attach data if necessary)

- m2 high for recoveries of Endosulfan II @ 128%. (range: 50 - 120). and 4,4' DDD @ 129%. (range: 30 - 120).
- m3 high for recoveries of Endosulfan II @ 130% and DDD @ 129%.
- m1 was ok. Blank was clear.
- Sample ool high for surr recoveries; DDD @ 123% (range: 38 - 122). + PC @ 123% (range: 28 - 118).

2. Known or Probable Causes(s)

3. Discussion and Proposed Action

Other Description:

☐ Re-log
☐ Entire Batch
☐ Following Samples: _____
☐ Re-leach
☐ Re-extract
☐ Re-digest
☐ Revise EDD
☐ Change Test Code to _____
☐ Place On/Take Off Hold (circle)

4. Project Manager Instructions...signature/date:

Carol Schenkel for 8/8/05

☐ Concur with Proposed Action
☐ Disagree with Proposed Action; See Instruction
☒ Include in Case Narrative
☐ Client Contacted:
☐ Date/Person _____
☐ Add
☐ Cancel

5. Final Action...signature/date:

Other Explanation:

☐ Verified re-[log][leach][extract][digest][analysis] (circle)
☒ Included in Case Narrative
☐ Hard Copy COC Revised
☐ Electronic COC Revised
☐ EDD Corrections Completed

When Final Action has been recorded, forward original to QA Specialist for distribution and filing.

Route Distribution of Completed SDR
☒ Initiator
☒ Lab General Manager: M. Taylor
☒ Project Mgr. Stone/Johnson/Haslett
☒ Technical Mgr. Wesson/Daniels
☒ QA (file): Alberts
☐ Data Management: Feldman
☐ Sample Prep: Beegle/Kiger

Route Distribution of Completed SDR
☐ Metals: Beegle
☐ Inorganic: Perrone
☐ GC/LC: Kiger
☐ MS: Rychlak/Layman
☐ Log-in: Mehic
☐ Admin: Soos
☐ Other: C. Schenkel



GLOSSARY OF DATA

DATA QUALIFIERS

U	=	Indicates that the compound was analyzed for but not detected. The minimum detection limit for the sample (not the method detection limit) is reported with the U (e.g., 10U).
J	=	Indicates an estimated value. This flag is used in cases where a target analyte is detected at a level less than the lower quantification level. If the limit of quantification is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
B	=	This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination.
E	=	Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
I	=	Interference.
.I	=	Indicates an interference on one analytical column only. Result is reported from remaining analytical column.

ABBREVIATIONS

BS	=	Indicates blank spike in which reagent grade water is spiked with the CLP matrix spiking solutions and carried through all the steps in the method. Spike recoveries are reported.
BSD	=	Indicates blank spike duplicate.
MS	=	Indicates matrix spike.
MSD	=	Indicates matrix spike duplicate.
DL	=	Indicates that recoveries were not obtained because the extract had to be diluted for analysis.
NA	=	Not Applicable.
DF	=	Dilution Factor.
NR	=	Not Required.
NS	=	Not Spiked.
SP	=	Indicates Spiked Compound.
P	=	This flag is used for an PESTICIDE/PCB target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported on Form I and flagged with a "P".
D	=	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
C	=	This flag applies to a compound that has been confirmed by GC/MS.
NPM	=	No pattern match for multi-component target analytes.

Lionville Laboratory, Inc.

Pesticides/PCB by GC, Special List

Report Date: 08/08/05 10:07

RFW Batch Number: 0508L101

Client: TNU-HANFORD B05-018

Work Order: 11343606001 Page: 1

Cust ID:		J03W22	J03W22	J03W22	J03W23	J03W24	J03W25
Sample RFW#:		001	001 MS	001 MSD	002	003	004
Information Matrix:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:		1.00	1.00	1.00	1.00	1.00	1.00
Units:		UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Surrogate:	Decachlorobiphenyl	101 %	105 %	106 %	116 %	105 %	110 %
	Tetrachloro-m-xylene	90 %	107 %	103 %	111 %	111 %	112 %
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====							
Alpha-BHC		1.7 U	107 %	104 %	1.7 U	1.7 U	1.7 U
Beta-BHC		1.7 U	98 %	96 %	1.7 U	1.7 U	1.7 U
Delta-BHC		1.7 U	108 %	109 %	1.7 U	1.7 U	1.7 U
gamma-BHC (Lindane)		1.7 U	103 %	102 %	1.7 U	1.7 U	1.7 U
Heptachlor		1.7 U	89 %	89 %	1.7 U	1.7 U	1.7 U
Aldrin		1.7 U	93 %	94 %	1.7 U	1.7 U	1.7 U
Heptachlor epoxide		1.7 U	91 %	92 %	1.7 U	1.7 U	1.7 U
Endosulfan I		1.7 U	91 %	92 %	1.7 U	1.7 U	1.7 U
Dieldrin		1.7 U	98 %	100 %	1.7 U	1.7 U	1.7 U
4,4'-DDE		100	63 %	109 %	3.4 U	890	930
Endrin		3.3 U	96 %	98 %	3.4 U	4.4	4.3
Endosulfan II		3.3 U	128 * %	130 * %	29	18	15
4,4'-DDD		16	124 * %	129 * %	150	400	420
Endosulfan sulfate		3.3 U	109 %	112 %	3.4 U	3.3 U	3.3 U
4,4'-DDT		160	I %	114 %	780 .I	780 .I	780 .I
Methoxychlor		17 U	126 %	130 %	17 U	17 U	17 U
Endrin ketone		3.3 U	117 %	119 %	3.4 U	3.3 U	3.3 U
Endrin aldehyde		3.3 U	115 %	117 %	3.4 U	3.3 U	3.3 U
alpha-Chlordane		1.7 U	92 %	93 %	1.7 U	1.7 U	1.7 U
gamma-Chlordane		1.7 U	94 %	95 %	1.7 U	1.7 U	1.7 U
Toxaphene		170 U	170 U	170 U	170 U	170 U	170 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
 %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Handwritten signature/initials

Lionville Laboratory, Inc.

Pesticides/PCB by GC, Special List

Report Date: 08/08/05 10:07

RFW Batch Number: 0508L101

Client: TNU-HANFORD B05-018

Work Order: 11343606001 Page: 2

Cust ID:		J03W26	J03W27	J03W28	J03W29	J03W30	J03W31
Sample RFW#:		005	006	007	008	009	010
Information Matrix:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:		1.00	1.00	1.00	1.00	1.00	1.00
Units:		UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Surrogate:	Decachlorobiphenyl	105 %	95 %	116 %	123 * %	109 %	109 %
	Tetrachloro-m-xylene	112 %	100 %	113 %	123 * %	112 %	111 %
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====							
Alpha-BHC		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
Beta-BHC		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
Delta-BHC		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
gamma-BHC (Lindane)		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
Heptachlor		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
Aldrin		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
Heptachlor epoxide		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
Endosulfan I		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
Dieldrin		17	13	1.7 U	1.7 U	1.7 U	1.8 U
4,4'-DDE		590	3.3 U	130	13	62	250
Endrin		3.3 U	3.3 U	3.3 U	3.3 U	3.4 U	3.5 U
Endosulfan II		11	3.3 U	3.3 U	3.3 U	3.4 U	3.5 U
4,4'-DDD		160	960	48	3.3 U	3.4 U	4.8
Endosulfan sulfate		3.3 U	3.3 U	3.3 U	3.3 U	3.4 U	3.5 U
4,4'-DDT		100	3.3 U	160	8.2	29	120
Methoxychlor		17 U	6.5 .I	17 U	17 U	17 U	18 U
Endrin ketone		3.3 U	3.3 U	3.3 U	3.3 U	3.4 U	3.5 U
Endrin aldehyde		3.3 U	3.3 U	3.3 U	3.3 U	3.4 U	3.5 U
alpha-Chlordane		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
gamma-Chlordane		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
Toxaphene		170 U	170 U	170 U	170 U	170 U	180 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
 %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Handwritten signature/initials

RFW Batch Number: 0508L101

Client: TNU-HANFORD B05-018

Work Order: 11343606001 Page: 3

Cust ID:	J03W32	PBLKQU	PBLKQU BS
RFW#:	011	05LE0650-MB1	05LE0650-MB1
Matrix:	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00
Units:	UG/KG	UG/KG	UG/KG

[illegible]

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
 %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

2/25/17

00000007

Lionville Laboratory Use Only

Custody Transfer Record/Lab Work Request Page 1 of 2



FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

See SRC

[illegible]

Special Instructions:

DATE/REVISIONS:

0608X

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
Friday	IFCruz	8/10/05	0935					COMPOSITE WASTE"	ORIGINAL REWRITTEN		

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Relinquished by	Received by	Date	Time
FedEx	J. King	8/4/05	0935

Relinquished by	Received by	Date	Time

Relinquished by	Received by	Date	Time

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B05-018-002		Page 1 of 3	
Collector Doug Bowers		Company Contact Doug Bowers		Telephone No. 531-0701		Project Coordinator KESSNER, JH		Price Code Data Turnaround	
Project Designation Horseshoe Landfill Residual Pesticide Sampling - Soil		Sampling Location Horse Shoe Landfill		SAF No. B05-018		Air Quality ASAP			
Ice Chest No. AFs 01 008		Field Logbook No. EL 1173-5		COA R602702000		Method of Shipment Fed Ex			
Shipped To EBERLINE SERVICES ALIONVILLE		Offsite Property No. A050 343		Bill of Lading/Air Bill No. SOB 0SPC					
POSSIBLE SAMPLE HAZARDS/REMARKS NA Special Handling and/or Storage		Preservation		Cool 4C					
		Type of Container		aG					
		No. of Container(s)		1					
		Volume		250mL					
SAMPLE ANALYSIS		Pesticides - 8081							
Sample No.	Matrix *	Sample Date	Sample Time						
J03W22	1	SOIL	8/2/05	0902	✓				
J03W23	2	SOIL	8/3/05	0904	✓				
J03W24	3	SOIL	8/3/05	0908	✓				
J03W25	4	SOIL	8/3/05	0912	✓				
J03W26	5	SOIL	8-3-05	0915	✓				
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Toxic Wt=Wipe L=Liquid V=Vegetation X=Other	
Doug Bowers		8-3-05/1115		Fed Ex		8-3-05/1115			
Fed Ex				Kerry		8/4/05 0935			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By		Title		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B05-018-002		Page 2 of 2	
Collector Doug Bowers		Company Contact Doug Bowers		Telephone No. 531-0701		Project Coordinator KESSNER, JH		Price Code Data Turnaround	
Project Designation Horseshoe Landfill Residual Pesticide Sampling - Soil		Sampling Location Horse Shoe Landfill		SAF No. B05-018		Air Quality ASAP			
Ice Chest No. AFS 04 008		Field Logbook No. EL 1173-5		COA R602702000		Method of Shipment Fed Ex			
Shipped To EBERLINE SERVICES (LIONVILLE)		Offsite Property No. A050343		Bill of Lading/Air Bill No. SEE OSCP					
POSSIBLE SAMPLE HAZARDS/REMARKS NA		Preservation		Cool 4C					
Special Handling and/or Storage		Type of Container		aG					
		No. of Container(s)		1					
		Volume		250mL					
		Pesticides - 8081							
SAMPLE ANALYSIS									
Sample No.	Matrix *	Sample Date	Sample Time						
J03W27	6 SOIL	8-3-05	0918	✓					
J03W28	7 SOIL	8-3-05	0922	✓					
J03W29	9 SOIL	8-3-05	0929	✓					
J03W30	9 SOIL	8-3-05	0932	✓					
J03W31	16 SOIL	8-3-05	0939	✓					
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS					
Relinquished By/Removed From Doug Bowers		Date/Time 8-3-05/1115		Received By/Stored In Fed Ex		Date/Time 8-3-05/1115			
Relinquished By/Removed From FLIBEX		Date/Time		Received By/Stored In J. R. R. R.		Date/Time 8/4/05 0935			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By		Title		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B05-018-002		Page 1 of 1			
Collector Doug Bowers		Company Contact Doug Bowers		Telephone No. 531-0701		Project Coordinator KESSNER, JH		Price Code Data Turnaround			
Project Designation Horseshoe Landfill Residual Pesticide Sampling - Soil		Sampling Location Horse Shoe Landfill		SAF No. B05-018		Air Quality ASAP					
Ice Chest No. AFS 04 008		Field Logbook No. El. 1173-5		COA R602702000		Method of Shipment Fed Ex					
Shipped To EBERLINE SERVICES LIONVILLE		Offsite Property No. A050343		Bill of Lading/Air Bill No. 508 OSPC							
POSSIBLE SAMPLE HAZARDS/REMARKS NA Special Handling and/or Storage		Preservation		Cool 4C							
		Type of Container		aG							
		No. of Container(s)		1							
		Volume		250mL							
SAMPLE ANALYSIS				Pesticides - 8081							
Sample No.	Matrix *	Sample Date	Sample Time								
J03W32	SOIL	8-7-05	0940	✓							
8-3-05											
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS					
Relinquished By/Removed From Doug Bowers		Date/Time 8-7-05/1115		Received By/Stored In Fed Ex						Date/Time 8-7-05/1115	
Relinquished By/Removed From Fed Ex		Date/Time		Received By/Stored In JPL						Date/Time 8/4/05 0935	
Relinquished By/Removed From		Date/Time		Received By/Stored In						Date/Time	
Relinquished By/Removed From		Date/Time		Received By/Stored In						Date/Time	
Relinquished By/Removed From		Date/Time		Received By/Stored In						Date/Time	
Relinquished By/Removed From		Date/Time		Received By/Stored In						Date/Time	
LABORATORY SECTION		Received By		Title		Date/Time					
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time					

Matrix *

S=Soil
SE=Sediment
SO=Solid
SL=Sludge
W=Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
WI=Wipe
L=Liquid
V=Vegetation
X=Other

Lionville Laboratory Incorporated
SAMPLE RECEIPT CHECKLIST (SRC)

CLIENT: *TNU Hanford*

Date: *8/4/05*

Purchase Order / Project# /
 SAF# / SOW# / Release #:

LvLI Batch #: *0508L101*

Sample Custodian: *JKung*

NOTE: EXPLAIN ALL DISCREPANCIES

- | | | |
|---|---|--|
| 1. Samples Hand Delivered or <u>Shipped</u> | Carrier <i>FedEx</i> | Airbill# <i>790599520377</i> |
| 2. Custody seals on coolers or shipping container intact, signed and dated? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> No Seals Comments |
| 3. Outside of coolers or shipping containers are free from damage? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 4. All expected paperwork received (coc and other client specific information) sealed in plastic bag and easily accessible? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 5. Samples received <u>cooled</u> or ambient? | Temp <i>5.1</i> °C | Cooler # <i>AFS-04-008</i> |
| 6. Custody seals on sample containers intact, signed and dated? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> No Seals |
| 7. coc signed and dated? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 8. Sample containers are intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 9. All samples on coc received? All samples received on coc? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 10. All sample label information matches coc? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 11. Samples properly preserved? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 12. Samples received within hold times? Short holds taken to wet lab? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 13. VOA, TOC, TOX free of headspace? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| 14. QC stickers placed on bottles designated by client? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> N/A |
| 15. Shipment meets LvLI Sample Acceptance Policy? (Identify all bottles not within policy. See reverse side for policy) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| 16. Project Manager contacted concerning discrepancies? name/date (or samples outside criteria) | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> No Discrepancies |

SR-002-B

